

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corp. 1687 Woodlands Drive Maumee, OH 43537

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Construction Series" 6'8 Outswing Opaque Steel Door w & wo sidelites

APPROVAL DOCUMENT: Drawing No. **S-2110**, titled ""Construction Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, prepared by RW Building Consultants, Inc., dated 03/28/01 with revision #1 dated 3/12/03, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P. E.



NOA No 01-0828.10 Expiration Date: May 1, 2008 Approval Date: May 1, 2003

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Therma-Tru Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No S-2110, titled "Construction Series" 6-8 Single & Double Outswing Steel Door", sheets 1 through 8, dated 6/12/02, with revision #1 dated 3/12/03, prepared by RW Building Consultants, Inc.

B. TESTS

- 1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
 - 5) Large Missile Impact Test per SFBC, PA 201-94
 - 6) Cyclic Wind Pressure Loading per SFBC, PA 203-94

along with marked-up drawings and installation diagram of a double opaque door with sidelites, prepared by ETC Laboratories, Test Report No. ETC-01-741-11004.0, dated 7/6/01, signed and sealed by Joseph Dolden, P.E.

- 2. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
 - 5) Large Missile Impact Test per SFBC, PA 201-94
 - 6) Cyclic Wind Pressure Loading per SFBC, PA 203-94

along with marked-up drawings and installation diagram of a double opaque door with sidelites, prepared by ETC Laboratories, Test Report No. ETC-01-741-10622.0, dated 3/23/01, signed and sealed by Joseph Dolden, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Lyndon Schmidt, P.E., dated 8/18/01, signed and sealed by Lyndon Schmidt, P.E.

D. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. **01-1120.08** issued to Therma-Tru Corporation for "Therma-Tru Series "BTS, TCM, PVC, SMC" Lite Frame" dated 1/18/02, expiring on 1/18/07.
- 2. Tensile Test of Constructon Series Steel Door Skin, prepared by ETC Laboratories, Test Report No. ETC-01-741-10622.0, dated 3/28/01, signed and sealed by Joseph Dolden, P.E., Tensile Test of Non Foam Plastic, prepared by ETC Laboratories, Test Report No. ETC-01-741-11075.0, dated 3/2/01, signed and sealed by Joseph Dolden, P.E., Surface Burning Characteristics of Building Materials, ASTM E84-00a, prepared by Omega Point Laboratories, Test Report No. 15427-107362, dated 8/28/00, signed and sealed by John Dougherty, P.E.

Manuel Perez, P. E. Product Control Examiner NOA No 01-0828.10

Expiration Date: May 1, 2008 Approval Date: May 1, 2003

Therma-Tru Corporation

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E. STATEMENTS

- 1. Statement letter of conformance, dated 8/23/01, signed and sealed by Lyndon Schmidt, P.E.
- 2. Statement letter of no financial interest, dated 8/18/01, signed and sealed by Lyndon Schmidt, P.E.
- 3. Statement letter naming Mr. Rick Wright as their representative and contact person, signed by Steve Kepler

F. OTHER

1. Letter for San Martin Associates, Inc.

Manuel Perez, P. E.
Product Control Examinor
NOA No 01-0828.10

Expiration Date: May 1, 2008 Approval Date: May 1, 2003

THERMA-TRU®

"CONSTRUCTION SERIES" OUTSWING 6-8 SINGLE AND DOUBLE W/& W/OUT SIDELITES. INSULATED STEEL DOOR WITH WOOD FRAMES.

GENERAL NOTES

- 1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE.
- 2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY
 TO TRANSFER LOADS TO THE STRUCTURE.
 3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS
- PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 4. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
- 5. THIS PRODUCT <u>MEETS</u> THE WATER REQUIREMENTS FOR "HIGH VELOCITY HURRICANE ZONES" AREA WITH THE USE OF THE HIGH DAM BUMP THRESHOLD.
- 6. WHEN THIS PRODUCT IS USED IN AREAS REQUIRING WINDBORNE DEBRIS PROTECTION, FLORIDA BUILDING CODE APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR THE SIDELITES ONLY.
- 7. SIDELITES ARE AN OPTION AND CAN BE USED IN A SINGLE OR DOUBLE CONFIGURATION.

INSULATED STEEL DOOR (Common to all frame conditions)

Door & Sidelite Panel Construction:

<u>Face sheets:</u> Door Panel is 25 ga.(0.018") minimum thickness Sidelite Panel face sheets are 24 ga.(0.021") minimum thickness Galvanized steel A-525 commercial quality — AKDQ per ASTM 620 with yield strength Fy(min.)=27,830 psi

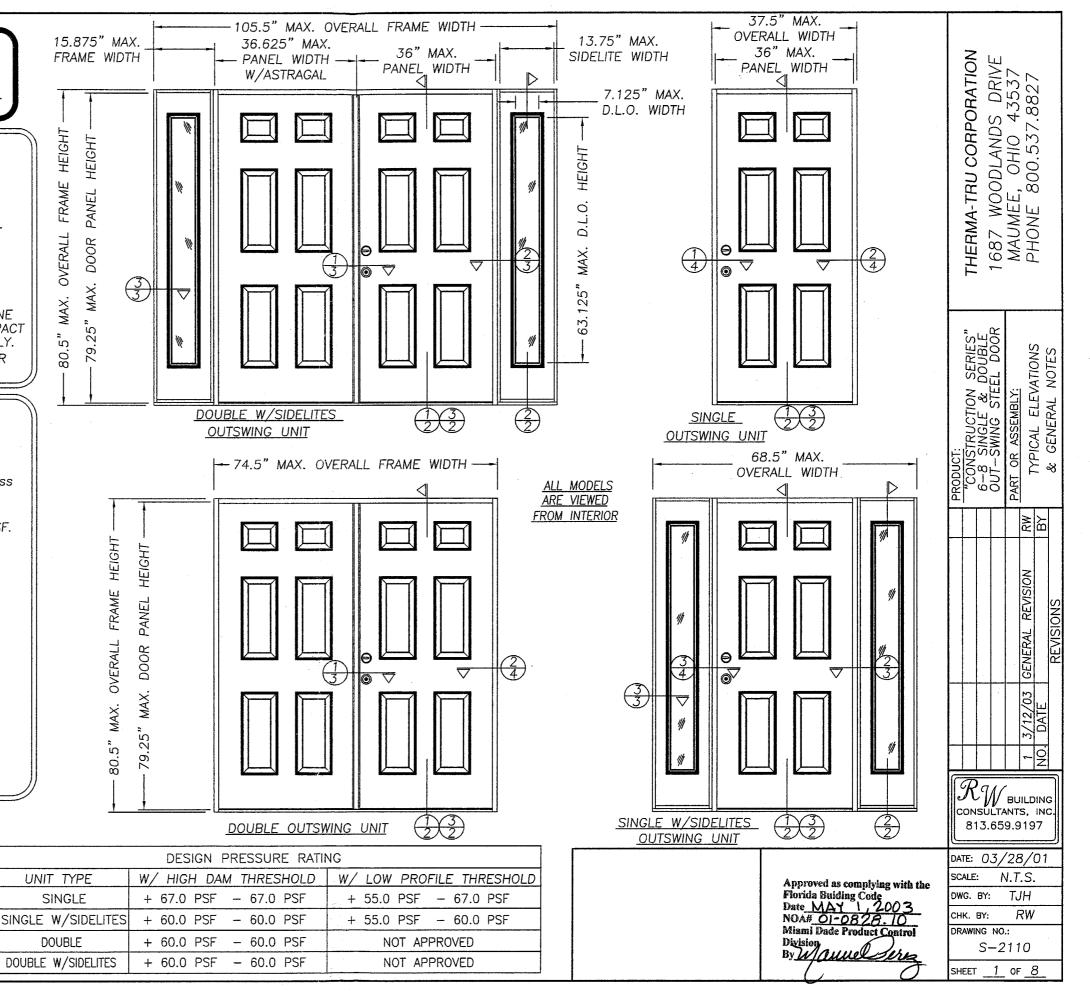
Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.

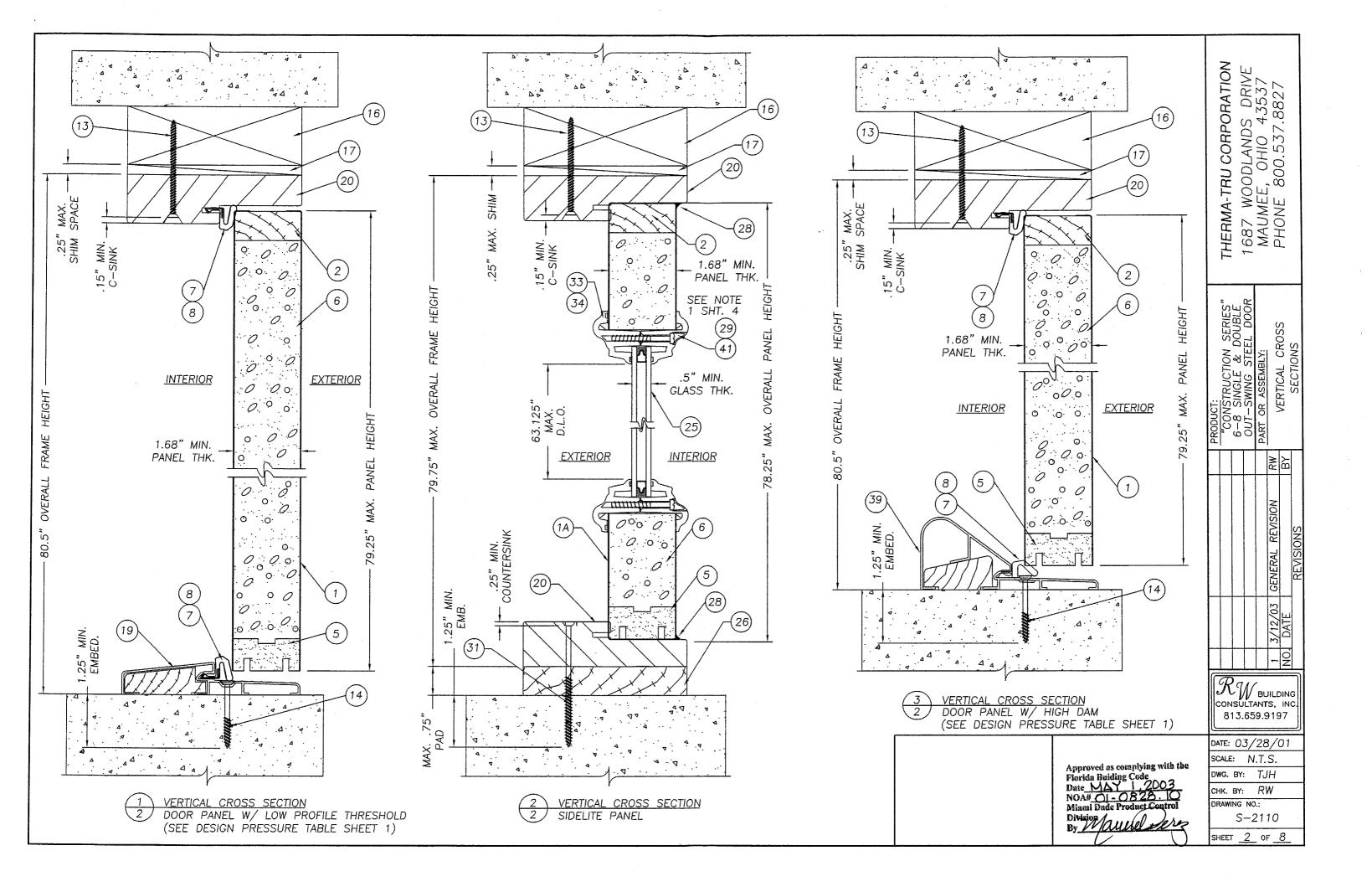
<u>Door Panel Construction:</u> Flush or embossed type. The vertical edges of the skin, rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed and pressure fitted with contact cement to the wood stiles at the corners.

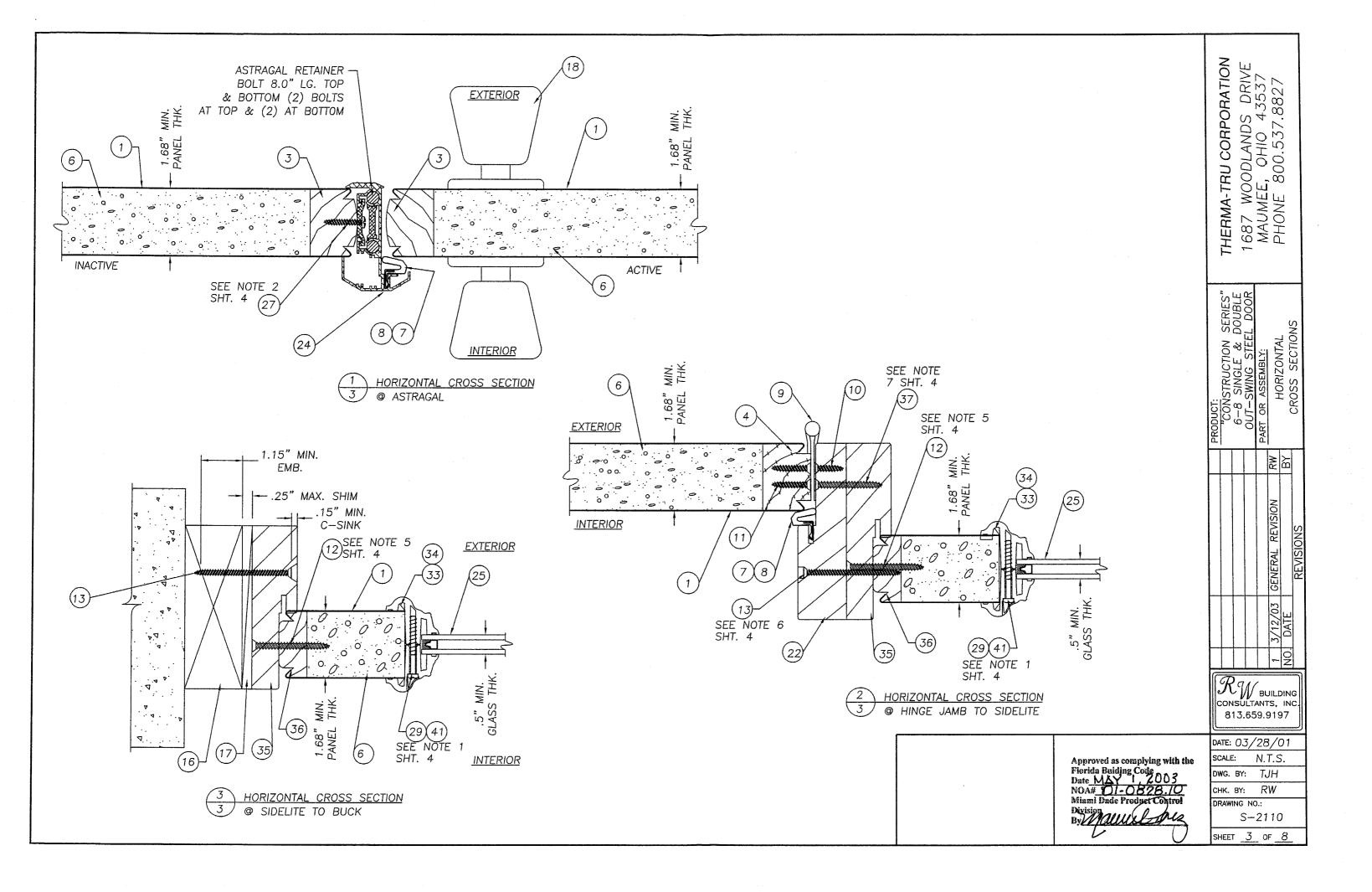
<u>Sidelite Panel Construction and Glazing:</u> The vertical edges of the skin are rolled formed to provide a mechanical interlock with finger jointed pine stiles. The end rails are butt joined to the wood stiles at the corners. The sidelite panels are sandwich glazed using a two piece lite frame.

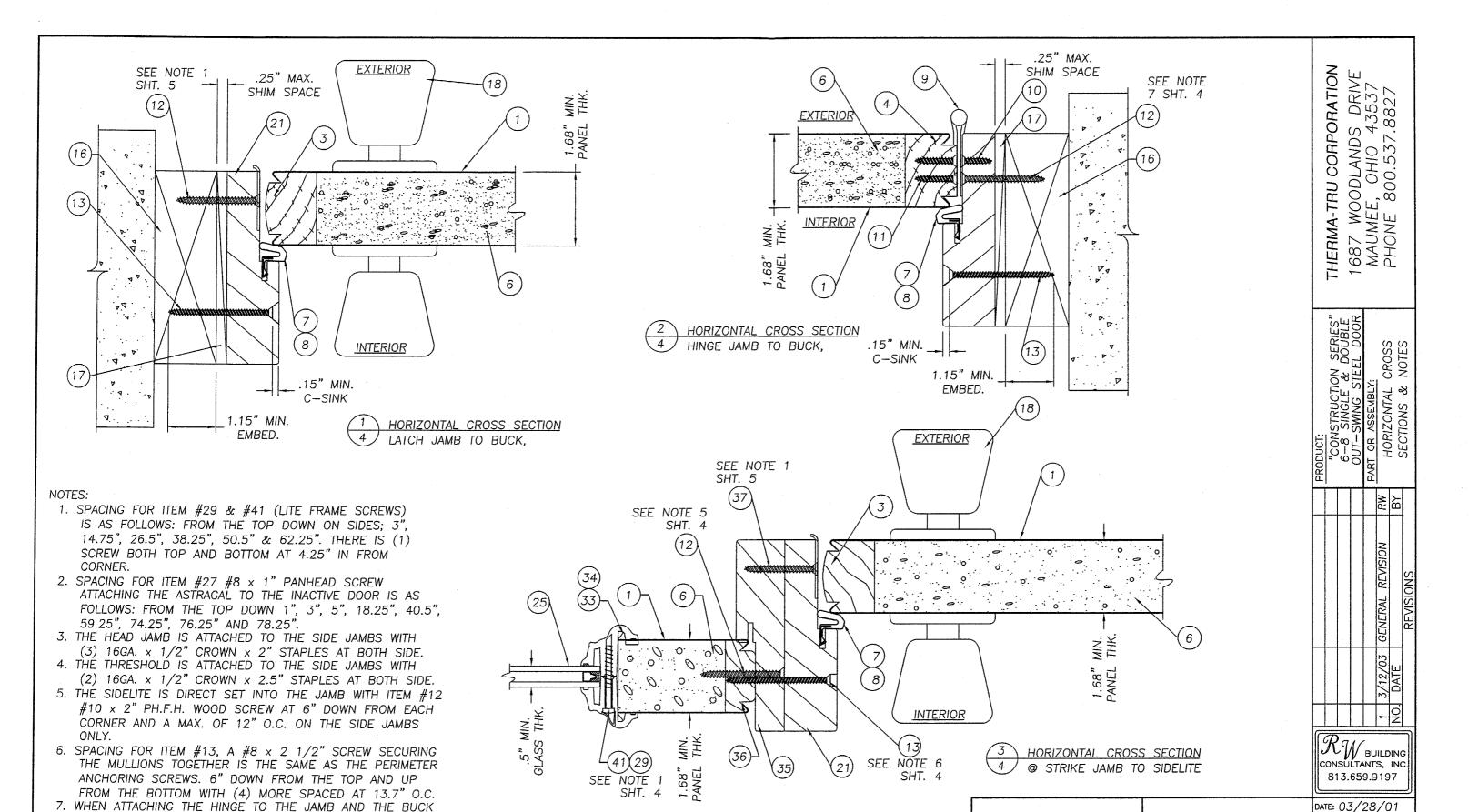
Frame Construction: The frame is constructed from finger jointed Ponderosa Pine measuring 4.656" wide x 1.25" thick. The header is joined to the side jambs with (3) 16ga. 1/2" crown x 2" long staples at each side. The threshold is joined to the side jambs with (2) 16ga. 1/2" crown x 2.5" long staples at each side. The mullions are secured together in a sidelite application using #8 x 2 1/2" long PFH Wood Screws (6) screws per each mullion. The unit uses an Outswing Bumpface threshold, either Low Profile or High Water Dam.

TABLE OF CONTENTS						
SHEET #	DESCRIPTION					
1	TYPICAL ELEVATIONS & GENERAL NOTES					
2	VERTICAL CROSS SECTIONS					
3	HORIZONTAL CROSS SECTIONS					
4	HORIZONTAL CROSS SECTIONS & NOTES					
5	ANCHORING LOCATIONS & DETAILS					
6	ANCHORING LOCATIONS & GLAZING DETAILS					
7	UNIT COMPONENTS					
8	BILL OF MATERIALS & UNIT COMPONENTS					









SCALE: N.T.S.

DWG. BY: TJH

CHK. BY: RW

S-2110 SHEET 4 OF 8

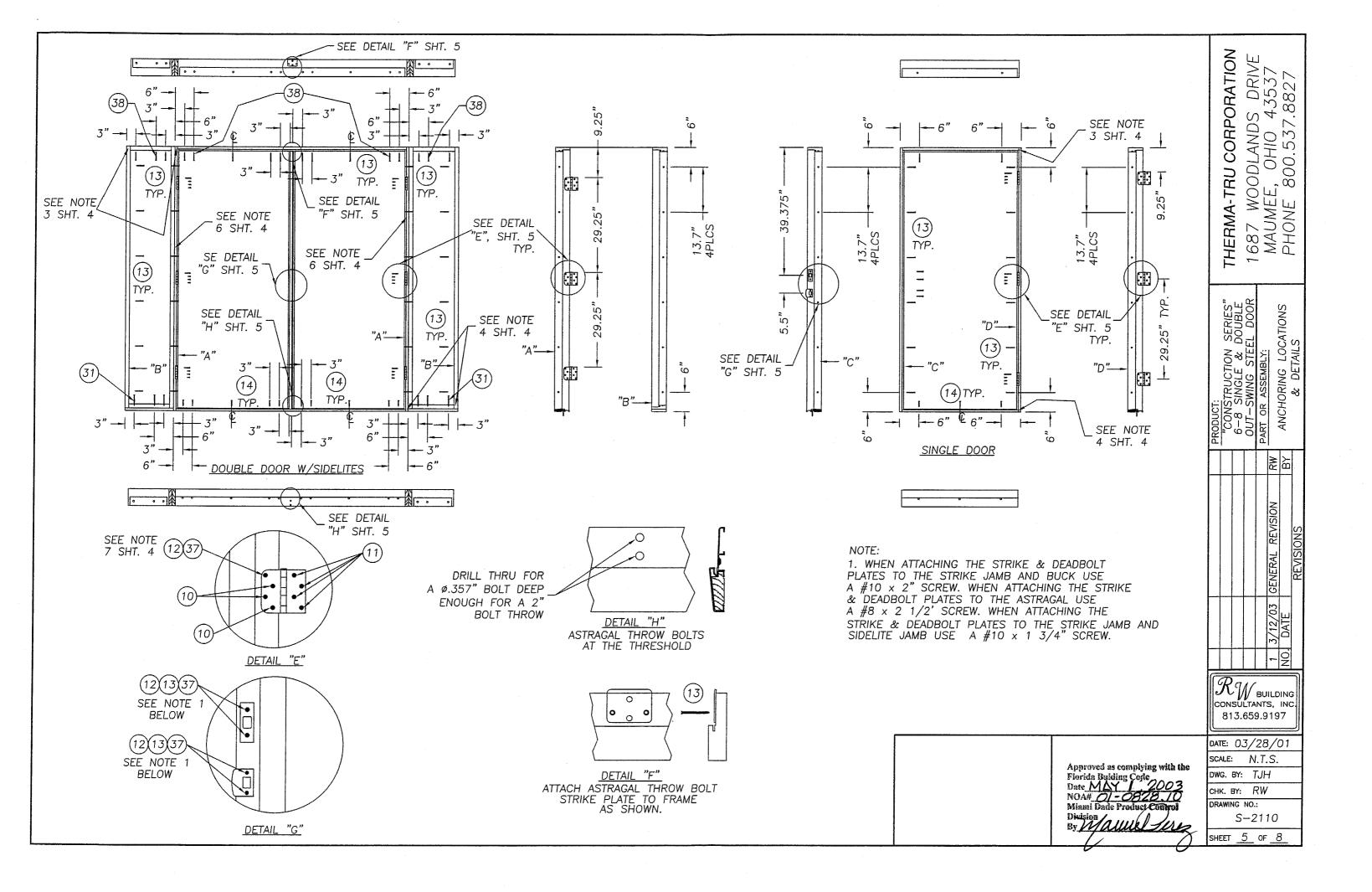
Approved as complying with the

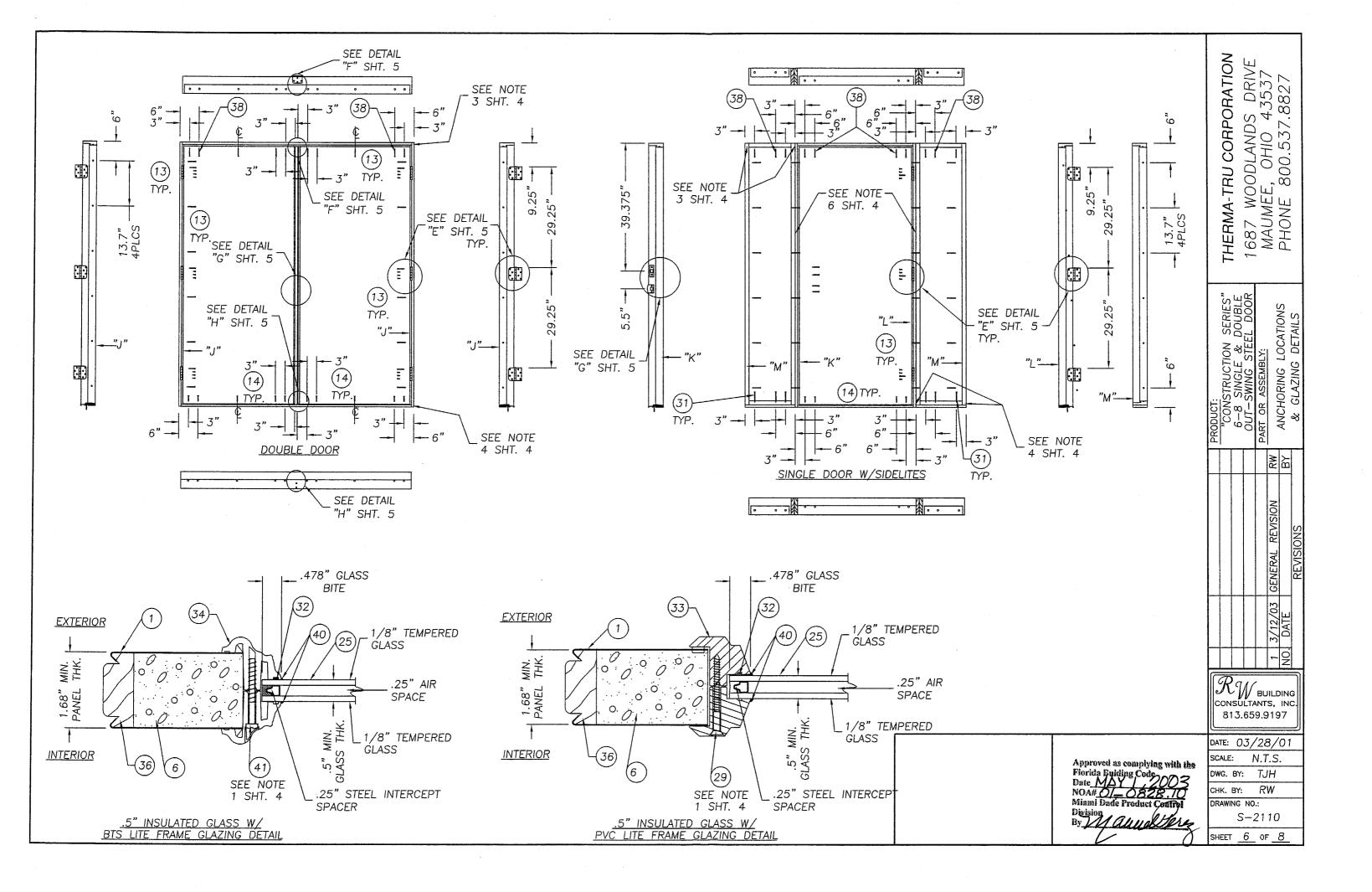
NOA# 01-0828.10

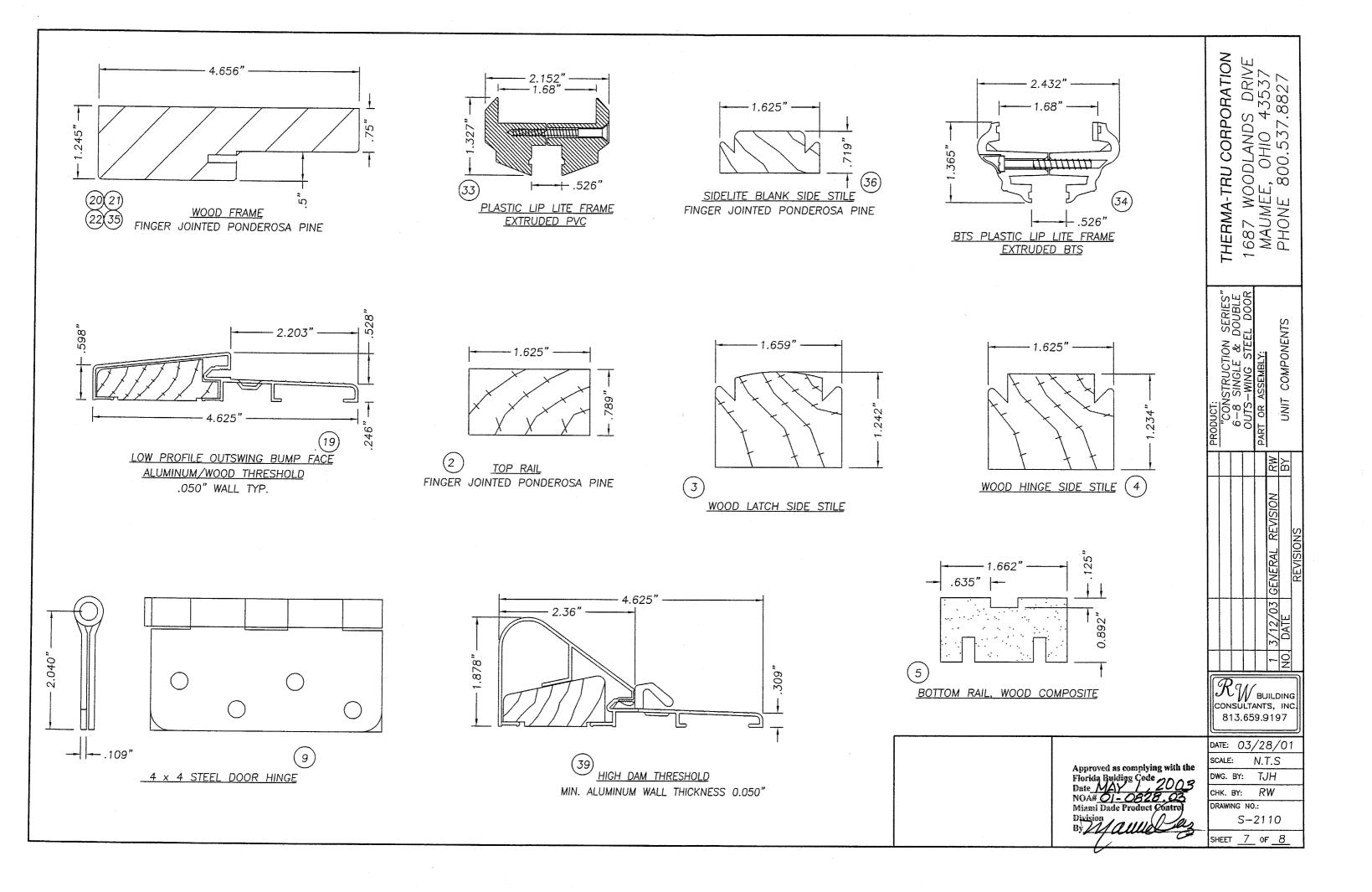
USE ITEM #12 A #10 x 2" SCREW. WHEN ATTACHING THE

HINGE TO THE JAMB AND THE SIDELITE AT THE MULLION

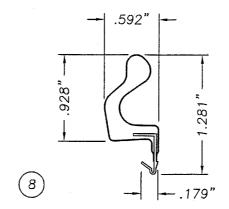
USE ITEM #37 A #10 x 1 3/4" SCREW.



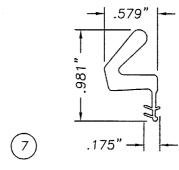




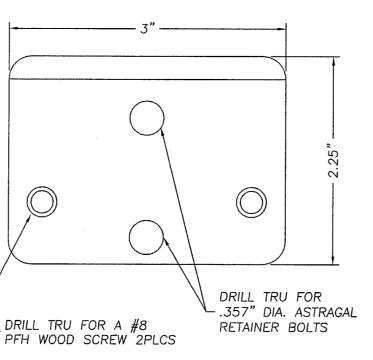
Item	DESCRIPTION	Material
1	DOOR SKIN; CONSTRUCTION SERIES 25GA. (.018" MIN.)	STEEL
1A	SIDELITE SKIN; 24 GA. (.021" MIN.)	STEEL
2	TOP RAIL (1.628" x .851" THERMA-TRU PONDEROSA PINE) WOOD
3	LATCH STILE (THERMA-TRU, PONDEROSA PINE 1.659" x 1.242")	WOOD
4	HINGE STILE (THERMA-TRU, PONDEROSA PINE 1.625" x 1.234")	WOOD
5	BOTTOM RAIL (1.662" x .892" THERMA—TRU WOOD COMPOSITE)	WOOD COMPOSITE
6	POLYURETHANE FOAM (BASF, 1.91bs. DENSITY)	FOAM
7	SHORT REACH COMPRESSION WEATHERSTRIP (THREMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (THREMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK (THERMA-TRU)	STEEL
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1" LG. PFH WOOD SCREW	STEEL
12	#10 × 2" LG. PFH WOOD SCREW	STEEL
13	#8 x 2 1/2" LG. PFH WOOD SCREW	STEEL
14	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
15	NOT USED	_
16	2x WOOD BUCK	WOOD
17	MAX. 1/4" SHIM MATERIAL	WOOD
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK	_
19	ONE PIECE BUMP FACE THRESHOLD LOW PROFILE (THERMA-TRU)	ALUM./WOOD
20	4.656" HEADER (THERMA-TRU, PONDEROSA PINE)	WOOD
21	4.656" STRIKE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
22	4.656" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
23	KWIKSET TITAN 700 SERIES DEADBOLT	
24	ASTRAGAL WINDJAMBER II WR68T (.052" WALL)	ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW	STEEL
28	CAULKING	LATEX
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #33)	STEEL
30	NOT USED	_
31	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	
	PLASTIC LIP LITE FRAME (PVC, THERMA—TRU)	PVC
34	PLASTIC LIP LITE FRAME (BTS, THERMA-TRU)	BTS
35	4.656" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
36	SIDELITE SIDE STILE (THERMA-TRU, 1.625" x .719" PONDEROSA PINE)	WOOD
	#10 x 1 3/4" LG. PFH WOOD SCREW	STEEL
	#10 X 3.0" LG PFH WOOD SCREW	STEEL
	HIGH WATER DAM THRESHOLD (THERMA-TRU)	ALUM.
40	SILICONE CAULK	SILICONE
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)	STEEL



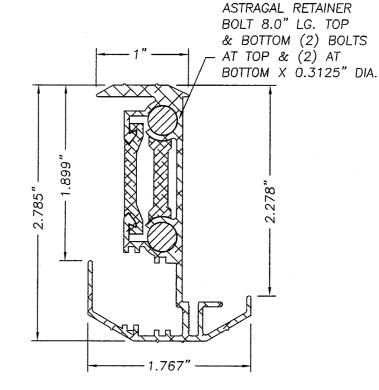
LONG REACH COMPRESSION WEATHERSTRIP FOAM CELL CORE W/VINYL JACKET



COMPRESSION WEATHERSTRIP
BY THERMA—TRU
FOAM CELL CORE W/VINYL JACKET



WINDJAMBER II WR68T STRIKE PLATE



<u>WIN</u>	IDJAMBER II	WR681	(2	4)
<u>ASTRAGAL</u>	(ALUMINUM	.052"	WALL	TYP

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ASTRAGAL RETAINER BOLT MATERIAL: C/R ROD ZINC & YELLOW CHROMATE

Approved as complying with the Florida Building Code
Date MAY 1, 2003
NOA# 01-0828, 10

DATE: 03/28/01 SCALE: N.T.S. DWG. BY: TJH CHK. BY: RW DRAWING NO .: S-2110

SHEET <u>8</u> OF <u>8</u>

THERMA-TRU CORPORATION 1687 WOODLANDS DRIVE MAUMEE, OHIO 43537 PHONE 800.537.8827

GENERAL REVISION 3/12/03 (DATE